

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices to ensure that the design, repair, and alteration of LANL facilities, and the programmatic equipment within them. [[IMP 342](#)]

Topics this month:

- **Security Chapter Debuts**
- **Standards Program Moves to New Home**
- **LANL Standards Issued in May**
- **DOE Standard Actions**

The Standards Homepage: <http://engstandards.lanl.gov/>

SECURITY CHAPTER DEBUTS

A new chapter on facility protection and security has just been issued as Chapter 9 of the Engineering Standards Manual. It provides project managers and facility designers with the background and details needed to adequately plan for and design security into new buildings and systems. It clearly defines the major features (and signage needs) of the various security areas, describes barriers of many kinds, lighting and power needs for the areas/features, intrusion detection and access control rough-in, and protected transmission systems (e.g., REDNET).

Many thanks to POC Robert Gonzales, Cam Campbell, and others in Security Division who worked to complete this major accomplishment.

STANDARDS PROGRAM MOVES TO NEW HOME

Beginning today, June 1, the LANL Engineering Standards Program became the responsibility of the Conduct of Engineering Office in ADE, the Associate Directorate for Engineering and Engineering Sciences. Tobin Oruch continues to manage the Standards; Kirk Christensen heads the CoE Office under Scott Gibbs, ADE.

No program changes are being made immediately, but future enhancements resulting from this reorganization are already being contemplated.

LANL STANDARDS ISSUED IN MAY

LANL Engineering Standards Manual ISD 342-1

Chapter 5 Structural -- Revised all sections to Rev 2

Section I, General Criteria -- General revision and improvements; OST became ISD.

Section II, PC-0, PC-1 and PC-2 Design & Analysis Requirements -- Major revision: referenced IBC 2003 with several amendments; added PC-0; OST became ISD.

Section III, PC-3 and PC-4 Design & Analysis Requirements -- Minor editing changes; load combination refinement; OST became ISD

Section IV, Geotechnical Investigations -- Minor editing changes; OST became ISD

Chapter 9 -- Security -- Initial Issue

Section F1033, Facility Protection and Security including Appendix A, Required Security Signs and Postings and Appendix B, References

Chapter 13 -- Welding & Joining

Volume 1 General Welding Standards

Section 1-01, Modified Purpose & Scope to clarify application to subcontracted welding.

Section 1-02, Deleted redundant roles & responsibilities (4.1.A); added Para. 6.B to clarify requirements to procure welded items or services

Section 1-03, Added issue station assessment (4.1.A & 5.5.A); deleted redundant responsibilities from 4.1; added 5.5.A.4 & 5 for clarification; modified 5.5.A.6 for clarification

Section 1-09, Clarified use of LANL Welding Program to on-site contractors (Para. 4.2.A, & 5.1.A, & 5.2); added 5.1.C Procurement Quality Requirements

Section 1-10 & Att.2-- Deleted redundant Roles & Responsibilities (4.1.E); added Para 6.5.G Welding Safety Training; added Attachment 2: Guidance Matrix for Welding Safety Training

Volume 3: Welding Procedure Specs

Section 3-01 & Att. 2 --Deleted redundant Roles & Responsibilities and modified 4.1.D

LANL Master Specifications Manual ISD 342-2

28 0528 R0 Pathways for Electronic Security -- Initial Issue

26 2213 R0 Low Voltage Distribution Transformers -- Replaced 26 1216 due to cross walking error

07 9200 R1 Joint Sealants -- Updating of references, correction of typos, and inclusion of LEED VOC Limit Criteria

DOE STANDARD ACTIONS

Recent Changes

DOE-NA-STD-3016-2006 Hazard Analysis Reports for Nuclear Explosive Operations (12 pages) [PDF](#) (297 KB)

DOE-HDBK-1184-2004 (CN 1) Radiological Control Programs for Special Tritium Compounds Handbook (97 pages)

[PDF](#) (569 KB) [Change Notice Memorandum](#)

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